

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-10. (Canceled).

11. (Currently Amended) A connecting element for weight measurement in a vehicle seat, comprising:

a connecting arrangement to a single-wire bus; and

a bus communications arrangement including a toroidal core store that stores a measured value for the weight measurement.

12. (Previously Presented) The connecting element as recited in Claim 11, wherein the connecting arrangement is configured so that the connecting arrangement indicates an installation position of the connecting element using hardware coding.

13. (Previously Presented) The connecting element as recited in Claim 12, wherein the connecting arrangement includes:

a voltage connection;

a data communications connection;

a ground connection; and

a configuration connection, a wiring configuration of the configuration connection indicating the installation position.

14. (Currently Amended) The connecting element as recited in Claim 11, wherein ~~the bus communications arrangement includes a toroidal core store that stores a measured value for the weight measurement, the connecting element further comprising includes~~ an indicator to retrieve the measured value.

15. (Previously Presented) The connecting element as recited in Claim 11, further comprising:

a memory storing a serial number that characterizes the connecting element.

16. (Previously Presented) The connecting element as recited in Claim 11, wherein the connecting element is configured as a slave to the bus communications.

17. (Currently Amended) A method for bus communications between a control unit for activating a personal protective device as a master, and at least one connecting element for weight measurement in a vehicle seat as a slave, comprising:

causing the control unit to assign to the at least one connecting element a respective address in accordance with a respective serial number of the at least one connecting element;

sending the at least one connecting element a request message from the control unit; and

transmitting from the connecting element a measured value to the control unit as a function of the request message.

18. (Canceled).

19. (Currently Amended) A bus system, comprising:

a control unit for activating a personal protective device as a master;

at least two connecting elements configured for weight measurement in a vehicle seat as slaves that record weight measurement related data as directed by the control unit; and

a bus system having a single-wire bus.

20. (Previously Presented) The bus system as recited in Claim 19, wherein the at least two connecting elements include four connecting elements installed in the vehicle seat.